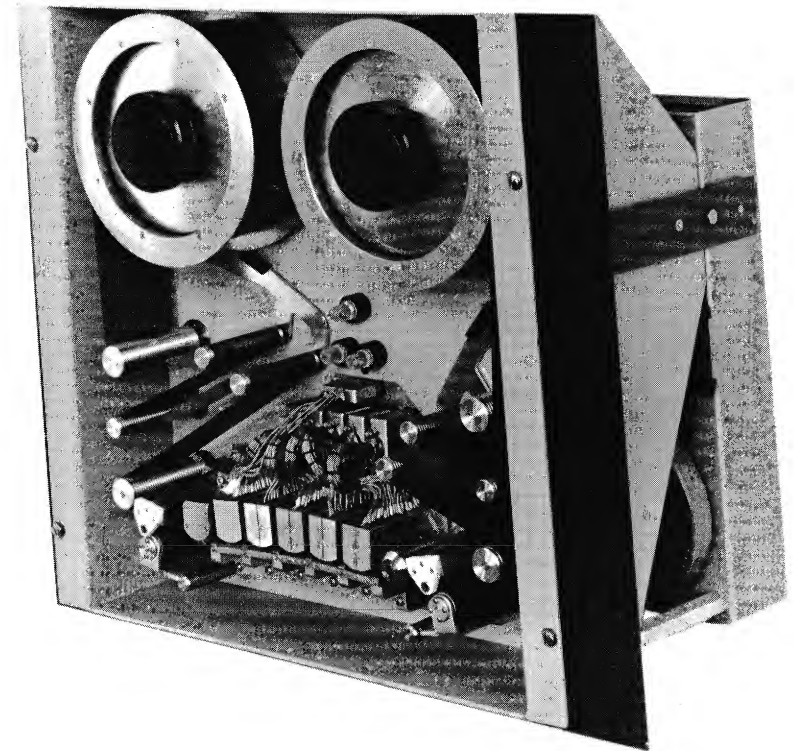
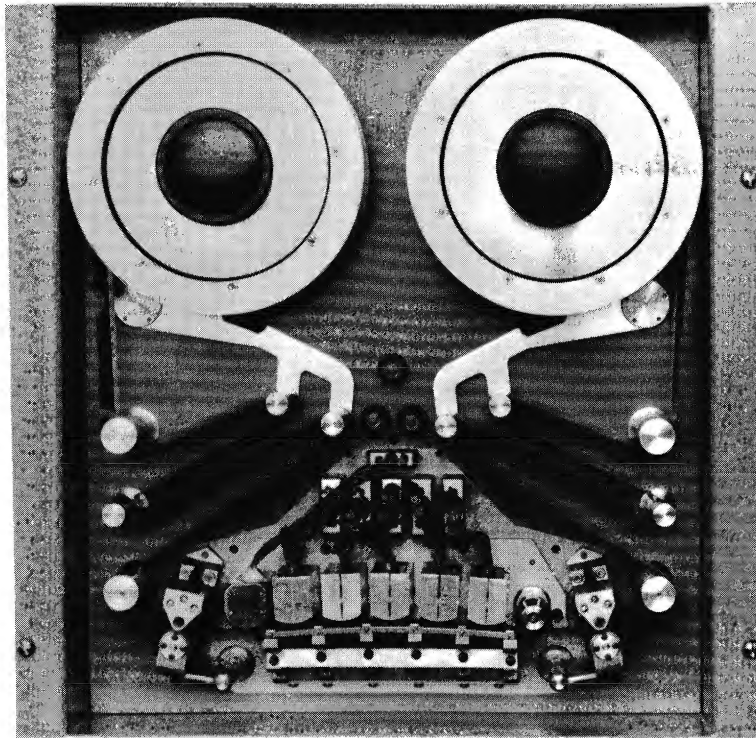


TELECTRO INDUSTRIES CORP., 35-16 37TH STREET
LONG ISLAND CITY, NEW YORK 11101



TELECTRO MODEL TR-2733 TAPE TRANSPORT

FOR ADDITIONAL INFORMATION
CONTACT: MR. S. ROSENBERG
212-YE-2-8600

REFER TO DATA SHEETS ATTACHED FOR DESCRIPTION
AND ELECTRO-MECHANICAL SPECIFICATIONS

3" tape (audio)
addressable

TELECTRO'S MODEL TR-2733 TAPE TRANSPORT

The Telectro Model TR-2733 Tape Transport is a precision engineered 100 track unit capable of storing 2500 five minute messages on 600 feet of 3 inch wide magnetic tape. Five head stacks of 20 channels each are used in a staggered arrangement giving 100 parallel track capability. Tape speeds for record/reproduce are 15/16 or 1-7/8 ips. A four track search head is used to locate the desired message. Wind/rewind speeds of 300 ips permit the required message to be brought into play position in 10 seconds. All search control devices are included in the one package.

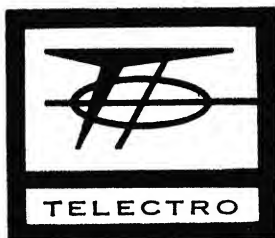
Extremely gentle tape handling is accomplished by the use of rotary guides. Rollers and guides are grooved to assure proper contact between the tape and guides and also to prevent tape jitter while in motion. Tape lifters allow the tape to contact the heads only in play mode. However, in the moderate and fast modes of operation, the tape contacts the search head only.

Three motors are employed in the drive system. A dual differential capstan drive is utilized to maintain constant tape tension in drive mode and assure low flutter. Capstans are driven by a seamless mylar belt and a hysteresis synchronous motor. A fixed speed differential between capstans maintains constant tape tension. Two tensioning compliance arms are employed to smooth out mechanical surges in Forward, Rewind, Start and Stop modes. Safety switches are activated at the end of tape and in case of tape breakage. Dimensions 19" H x 17" W x 14" D, unit mounts in standard 19" rack; weight 80 lbs.

All modes of operation are relay controlled and thus permit remote operation. The search mode is bi-directional and stops the tape within ± 1 inch before the message starts. The unit goes into a moderate speed is accurate to within $\pm 10\%$ of nominal, making the overshoot error constant and permits it to be compensated with proper positioning of search signal.

SPECIFICATIONS

TAPE WIDTH:	3 inches
TAPE THICKNESS:	1.0 mil mylar
TAPE LENGTH:	600 feet or more
NUMBER OF TRACKS:	100
NUMBER OF HEADS:	5 stacks; 20 channels ea.; Staggered; 1 Search Head; 4 tracks.
PLAY & RECORD SPEED:	15/16 IPS or 1-7/8 IPS
FAST FORWARD SPEED:	300 IPS
FAST REWIND SPEED:	300 IPS
MODERATE FORWARD SPEED:	30 IPS
MODERATE REWIND SPEED:	30 IPS
AUTOMATIC MODE:	All modes
MANUAL MODE:	All modes except Fast For- ward and Fast Rewind
REMOTE CONTROL:	All modes except Fast For- ward and Fast Rewind
SEARCH MODE:	Transports tape to any pre- selected message and begins play back of that message within 10 seconds from initia- tion of selection for messages 150 feet apart and 20 seconds for messages 300 feet apart.
FREQUENCY RESPONSE:	300 cps to 2700 cps +3db -5db
SIGNAL-TO-NOISE RATIO:	Better than 25 db
CROSSTALK:	Better than 35 db
DISTORTION:	2% Total harmonic Distortion
OPERATING TEMPERATURE AND HUMIDITY:	50° F to 120° F, up to 95% relative humidity
WOW AND FLUTTER:	Less than 1% in the 0 - 300 cps band
TAPE SPEED ACCURACY:	± 0.5 % of nominal at 60 cps power source.
MOUNTING DIMENSIONS:	19" H x 17" W x 14" D Unit mounts in Standard 19" Rack on slides.
WEIGHT:	80 lbs.
POWER REQUIRED:	105 - 125 Volts 60 cps @ ap- proximately 1250 watts peak.



T E L E C T R O

I N D U S T R I E S C O R P .

35-16 37th STREET • LONG ISLAND CITY 1, NEW YORK
YElloWstone 2-8600

Gentlemen:

Thank you for your recent inquiry expressing interest in the Telectro Tape Transport TR-2733. Descriptive Literature is enclosed.

Telectro Industries Corp. specializes in supplying equipment to exact customer requirement. Because of this, the equipment described can be modified or altered to your specific need so that most utility can be obtained for minimum dollar expenditure.

Telectro has supplied data and instrumentation recorders to such government installations as: David Taylor Model Basin, National Aeronautics & Space Administration, Naval Research Laboratory, Cambridge Research Center, etc. and to such large companies as: General Electric, Gates Radio, R.C.A., I.T. & T., Convair, Bell Telephone Labs., etc.

If there are any specific requirements upon which we may quote on, please contact the writer.

We look forward to hearing from you.

Very truly yours,

TELECTRO INDUSTRIES CORP.

Stanley Rosenberg
Marketing Director

SR/cb
Encl.

\$ 379 ⁰⁰



**every
word
means
more**

